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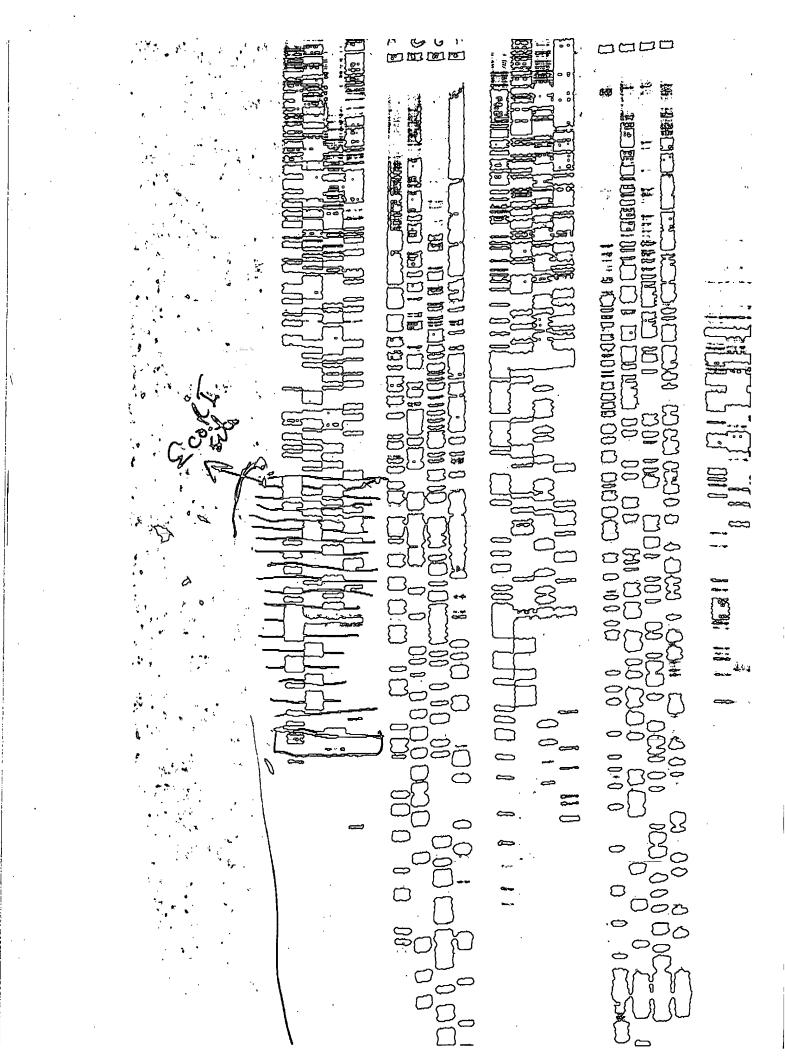
APPENDIX I

To the second se	The state of the s
	Seg. Preps 2 hybrid-cleries
	Tuleo
	(1)- Pp 1-8 ~ 1.28 ug fal 1.88 (2) ~ Pp 556-9 ~ repup
	3- 1, 16-5 ~ 2, 3/ma/ml. 1-91
	3 Pol-1 ~ 1.17 model 1.89
· · · · · · · · · · · · · · · · · · ·	3 Pp1-1 ~ 1.17 mplat. 1.88 5 To 86-10 ~ 78 mplat 1.96
	TB1-5 - 1.05mg/ml 7.96
	1 863-9 - 543 mg/ml 1.95 1 8556-7 - 611 mg/ml 1.93
, j) TB86-1 - 1.34 englad 1.81
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(I)	VBIT-4.76 al wid DADAN
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MCBL

BLAST Search Results



waiting for 7 jobs to finish

Commencing search, please wait for results.

BLASTN 2.0.5 [May-5-1998]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs*, Nucleic Acids Res. 25:3389-3402.

Query=

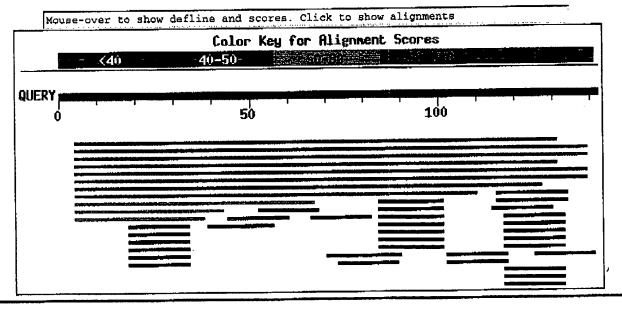
(142 letters)

Database: Non-redundant Database of GenBank EST Division 1,779,094 sequences; 669,153,423 total letters

Searching......done

If you have any problems or questions with the results of this search please refer to the BLAST FAOR

Distribution of 44 Blast Hits on the Query Sequence



	Score	E	1.)	代江
Sequences producing significant alignments:	(bits)	Value	KD	
gb AA927260 AA927260 AA928789 AA928789 AA928789 AA928789 On98f03.s1 Soares_NFL_T_GBC_S1 Homo sapien. gb N21081 N21081 yx48f11.s1 Homo sapiens cDNA clone 265005 3'. gb AA719024 AA719024 AA719024 AA6510.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone 48752 5'. gb AA909971 AA909971 Oll1004.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone 48752 5'. gb N33318 N33318 yy08a03.s1 Homo sapiens cDNA clone 270604 3'. gb AA890309 AA690309 AA690309 Oll AA514692 AA514692 AA514692 AA514692 AA099506 AA099506 AA099506 AA099506 AA099506 AB099506 AA099506 AA09	196 186 184 182 163 147 143 65	1e-49 5e-49 5e-46 2e-45 7e-45 7e-39 4e-34 6e-33 1e-09 1e-09 7e-05	1.571	Account Colonie (1) &

```
40 0.065
gb|AA010523|AA010523 zi09h05.rl Soares fetal liver spleen lNFLS...
                                                                                                                 <u>40</u> 0.065
gb|AA447492|AA447492 zw90g11.rl Soares total fetus Nb2HF8 9w Ho...
gb | W97076 | W97076 mf6la07.rl Soares mouse embryo NbME13.5 14.5 M...
                                                                                                                  <u>36</u> 1.0
                                                                                                                   36 1.0
gb AA832749 AA832749 vw45h12.rl Soares mouse mammary gland NbMM...
gb AA837370 AA837370 od41c01.sl NCI_CGAP_GCB1 Homo sapiens CDNA...
                                                                                                                  <u>36</u> 1.0
cb AA555936 AA555936 vi64e02.rl Beddington mouse embryonic regi...
                                                                                                                    36
                                                                                                                          1.0
gb|AA856929|AA866929 vn42b08.rl Stratagene mouse skin (#937313)...
                                                                                                                          1.0
gb W82751 W82751 mf06h09.rl Soares mouse p3NMF19.5 Mus musculus...
                                                                                                                          1.0
                                                                                                                  36
gb | H33571 | H33571 | EST109706 Rat PC-12 cells, NGF-treated (9 days...
                                                                                                                          1.0
gb AA050379 AA050379 mj14h07.rl Soares mouse embryo NbME13.5 14...
                                                                                                                          1.0
                                                                                                                   36
                                                                                                                  34
gb|M79090|M79090 EST01238 Homo sapiens cDNA clone HHCPK49.
                                                                                                                         4,0
gb|aa121457|AA121457 zk91b06.rl Soares pregnant uterus NbHPU Ho...
                                                                                                                  34
                                                                                                                         4.0
                                                                                                                  34 4.0
34 4.0
gb|AA925855|AA925855 UI-R-A1-eo-e-08-0-UI.s1 UI-R-A1 Rattus nor...
gb|W85717|W85717 zh55e01.sl Soares fetal liver spleen lNFLS S1 ...
                                                                                                                  <u>34</u> 4.0
gb AA206651 AA206651 zg56f07.rl Stratagene neuroepithelium (#93...
cb AA224045 AA224045
cb AA324045
cb AA3242501
cb AA342501 AA542501
cb AA3295723 AA295721
cb AA322424 AA324242
cb AA322424 Characteristics
cc Corrections
correctio
                                                                                                                  _34
                                                                                                                         4.0
                                                                                                                  _34
                                                                                                                         4.0
                                                                                                                  34 4.0
                                                                                                                  _34
                                                                                                                         4.0
                                                                                                                  _34
gb AA055455 AA055455 zf20h09.rl Soares fetal heart NbHH19W Homo...
                                                                                                                         4.0
gb R72686 R72686 yj93e02.rl Homo sapiens cDNA clone 156314 5'.
gh AA074683 AA074683 zm76d06.rl Stratagene neuroepithelium (#93...
gb AA205865 AA205865 zq50e06.rl Stratagene neuroepithelium (#93...
                                                                                                                   34 4.0
                                                                                                                  34 4.0
                                                                                                                  34
                                                                                                                         4.0
gb T31062 T31062 EST26875 Homo sapiens cDNA 5' end similar to s...
gb T35967 T35967 EST94640 Homo sapiens cDNA 5' end similar to s...
                                                                                                                  34
                                                                                                                          4.0
                                                                                                                  34
                                                                                                                         4.0
                                                                                                                  34
db AA639049 AA639049 ns02d08.sl NCI_CGAP_Ewl Homo sapiens cDNA ...
                                                                                                                         4.0
                                                                                                                  34
dbi|C28415|C28415 Rice cDNA, partial sequence (C61011_1A)
                                                                                                                          4.0
                                                                                                                         4.0
gb|AA800626|AA800626 EST190123 Normalized rat lung, Bento Soare...
                                                                                                                  _34
gb | H75861 | H75861 | yu60g10.rl Homo sapiens cDNA clone 230562 5'.
                                                                                                                  _34
                                                                                                                         4.0
                                                                                                                          4.0
gb N86196 N86196 J7098F Fetal heart, Lambda ZAP Express Homo sa...
                                                                                                                  34
gh AA400442 AA400442 zu64a10.sl Soares testis NHT Homo sapiens ...
gb AA100862 AA100862 zm26e04.rl Stratagene pancreas (#937208) H...
gb AA293832 AA293832 zt65b11.rl Soares testis NHT Homo sapiens ...
                                                                                                                  _34
                                                                                                                          4.0
                                                                                                                  34
                                                                                                                          4.0
                                                                                                                          4.0
  qb|AA927260|AA927260 om17f11.sl Soares_NFL_T_GBC_Sl Homo sapiens cDNA clone
                  IMAGE: 1541325 3'
                                                                                                                                     1,475
                 Length = 350
  Score = 198 bits (100), Expect = 1e-49
  Identities = 128/132 (96%), Positives = 128/132 (96%), Gaps = 4/132 (3%)
                  gcaatogagagcgttcccccagttgg-tggccgtccggggc-ggaggggaagggagcctg 62
Ouerv: 5
                  Sbjet: 214 gcaatcgagagcgttcccccagttgggtggccgtccgggggccggaggggaaggggagcctg 273
Query: 63 gaatcc-aaccacctcccttgcagacccaggcctgtc-agaatctagctgcctgagagag 120
                  Sbjet: 274 gaateccaaceacetecettgcagacecaggectgtccagaatetagetgcetgagagag 333
Query: 121 ggcgagaagggc 132
                  111111111111
 Sbjct: 334 ggcgagaagggc 345
  gb|AA928789|AA928789 on98f03.sl Soares_NFL_T_GBC_Sl Homo sapiens cDNA clone
                  IMAGE: 1564733 3'
                  Length = 480
  Score = 196 bits (99), Expect = 5e-49
  Identities = 136/142 (95%), Positives = 136/142 (95%), Gaps = 6/142 (4%)
 Query: 5
                  gcaatcgagagcgttcccccagttgg-tggccgtccggggc--ggaggggaagggagcct 61
                   Sbjet: 242 gcaategagagegtteecceagttgggtggeogteeggggeeeggaggggaagggageet 301
 Query: 62 ggaatcc-aaccacctcccttgcagacccaggcctgtc-agaatctagctgcctgagaga 119
                   Sbjct: 302 ggaatcccaaccacctcccttgcagacccaggcctgtccagaatctagctgcctgagaga 361
```

Sbjct: 362 agggcgagaagggccagaatggg 384

```
Query: 120 gggcgagaaggg-cagaatggg 140
        iiinidalii atudiii
Sbjct: 362 gggcgagaagggccagaatggg 383
gb|N21081|N21081 yx48f11.s1 Homo sapiens cDNA clone 265005 3'.
        Length = 461
Score = 186 bits (94), Expect = 5e-46
Identities = 136/142 (95%), Positives = 136/142 (95%), Gaps = 6/142 (4%)
        gcaatcgagagcgttcccccagttgg-tggccgtccggggc-gga-ggggaagggagcct 61
         Sbjct: 212 gcaatcgagagcgttcccccagttgggtggccgtccggggccggacggggaagggaagcct 271
Query: 62 ggaatcc-aaccacctcccttgcagacccaggcctgtc-agaatctagctgcctgagaga 119
         Sbjct: 272 ggaatcccaaccacctcccttgcagacccaggcctgtccagaatctagctgcctgagaga 331
Query: 120 gggcgagaaggg-cagaatggg 140
Sbjet: 332 gggegagaagggecagaatggg 353
 gb|AA719024|AA719024 ah46b10.sl Soares testis NHT Homo sapiens cDNA clone 1292539 3
         Length = 433
 Score = 184 bits (93), Expect = 2e-45
 Identities = 128/133 (96%), Positives = 128/133 (96%), Gaps = 5/133 (3%)
         gcaatcgagagcgttcccccagttgg-tggccgtccgggg-cggag-gggaagggagcct 61
Query: 5
         Sbjct: 217 gcaatcgagagcgttcccccagttgggtggccgtccggggacggagtgggaagggagcct 276
Query: 62 ggaatcc-aaccacctcccttgcagacccaggcctgtc-agaatctagctgcctgagaga 119
         Sbjct: 277 ggaatcccaaccacctccttgcagacccaggcctgtccagaatctagctgcctgagaga 336
Query: 120 gggcgagaagggc 132
         Sbjct: 337 gggcgagaagggc 349
 gb|AA909971|AA909971 oll1b04.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone
         IMAGE: 1523119 3'
         Length = 394
 Score = 182 bits (92), Expect = 7e-45
 Identities = 136/143 (95%), Positives = 136/143 (95%), Gaps = 7/143 (4%)
         gcaatcgagagcgttcccccagttgg-tggccgtccggggc-ggagggg--aagggagcc 60
         Sbjct: 242 gcaatcgagagcgttcccccagttgggtggccgtccgggggccggagggggaagggagcc 301
Query: 119 agggcgagaaggg-cagaatggg 140
```

```
gb|H16325|H16325 ym23a08.rl Homo sapiens cDNA clone 48752 5'.
         Length = 435
Score = 163 bits (82), Expect = 7e-39
Identities = 135/144 (93%), Positives = 135/144 (93%), Gaps = 8/144 (5%)
         gcaatcgagagcgttcccccagttgg-tggccgtccggggc-gga--ggggaagggagcc 60
Query: 5
Sbjct: 151 gcaatcgagagegttcccccagttgggtggccgtccgggggccggatgggngaagggagcc 210
Query: 61 tgg-aatcc-zaccacctcccttgcagacccaggcctgtc-agaatctagctgcctgaga 117
         Sbjct: 211 tgggaatcccaaccacctcccttgcagacccaggcctgtccagaatctagctgcctgaga 270
Query: 118 gagggcgagaaggg-cagaatggg 140
         Sbjct: 271 gagggcgagaagggccagaatggg 294
gb|N33318|N33318 yy08a03.sl Homo sapiens cDNA clone 270604 3'.
         Length = 348
 Score = 147 bits (74), Expect = 4e-34
 Identities = 122/131 (93%), Positives = 122/131 (93%), Gaps = 7/131 (5%)
         gcaatcqaqaqcgttcccccaqttgg-tggccgtccggggc-ggaggg--aagggagcc 60
Query: 5
Sbjct: 211 gcaatcgagagcgttcccccagttgggtggccgtccgggggccgganggggaaagggagcc 270
Query: 61 tggaatcc-aaccacctcccttgcagacccaggcctgt-cagaatct-agctgcctgaga 117
          Sbjct: 271 tggaatcccaaccacctcccttgcagacccaggcctgtccagaatctaagctncctgaga 330
Query: 118 gagggcgagaa 128
          11111111
Sbjct: 331 gagggcgagaa 341
 gb|AA890309|AA890309 aj94f11.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone
          IMAGE:1404141 3'
          Length = 329
 Score = 143 bits (72), Expect = 6e-33
 Identities = 107/112 (95%), Positives = 107/112 (95%), Gaps = 5/112 (4%)
          gcaatcgagagcgttcccccagttgg-tggccgtccggggc-gga-ggggaaggagcct 61
Query: 5
          Sbjct: 218 gcaatcgagagcgttcccccagttgggtggccgtccggggccggatggggaagggagcct 277
Query: 62 ggaatcc-aaccacctcccttgcagacccaggcctgt-cagaatctagctgc 111
          Sbjct: 278 ggaatcccaaccacctcccttgcagacccaggcctgtccagaatctagctgc 329
 gb|AA514692|AA514692 nf58g03.s1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:924148
          Length = 262
 Score = 65.9 bits (33), Expect = 1e-09
 Identities = 40/41 (97%), Positives = 40/41 (97%), Gaps = 1/41 (2%)
          gcaatcgagagcgttcccccagtt-ggtggccgtccggggc 44
Sbjct: 218 gcaatcgagagegtteccccagttgggtggccgtccggggc 258
```

```
gb|AA099506|AA099506 zml7b06.rl Stratagene pancreas (#937208) Homo sapiens cDNA clone
          525875 5'
          Length = 389
 Score = 65.9 bits (33), Expect = 1e-09
Identities = 63/70 (90%), Positives = 63/70 (90%), Gaps = 6/70 (8%)
          gcaatcgagagcgttcccccagttgg--tggccgtccgggg-cgga---ggggaagggag 58
Query: 5
Sbjet: 304 gcaatcgagagcgttcccccagttgggtgggccgtccgggggccggangggggaaagggag 363
Query: 59 cctggaatcc 68
           1111111111
Sbjct: 364 cctggaatcc 373
 emb 744502 HSC22B121 H. sapiens partial cDNA sequence; clone c-22b12.
          Length = 191
 Score = 50.1 bits (25), Expect = 7e-05
 Identities = 34/36 (94%), Positives = 34/36 (94%), Gaps = 1/36 (2%)
           gcaatcgagagcgttcccccagtt-ggtggccgtcc 39
Query: 5
           րակարթ թատուն մենքննա
Sbjet: 156 geaategagagentteccccagttgggtggccgtcc 191
 qb|AA010523|AA010523 zi09h05.rl Soares fetal liver spleen lNFLS $1 Homo sapiens cDNA
           clone 430329 5'
           Length = 303
 Score = 40.1 \text{ bits } (20), \text{ Expect = } 0.065
 Identities = 20/20 (100%), Positives = 20/20 (100%)
                                                                                      PECH CENTER TOO SOON
Query: 116 gagagggcgagaagggcaga 135
           11111111111111111111
          gagagggcgagaagggcaga 23
Sbict: 4
 qb|AA447492|AA447492 zw90g11.rl Soares total fetus Nb2HF8 9w Homo sapiens cDNA clone
           784292 5' similar to WP:K07F5.14 CE06128 ;
           Length = 445
 Score = 40.1 bits (20), Expect = 0.065
 Identities = 20/20 (100%), Positives = 20/20 (100%)
Query: 116 gagagggcgagaagggcaga 135
           Sbjct: 27 gagagggcgagaagggcaga 46
 gb|w97076|w97076 mf61a07.rl Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA
           clone 418740 5' similar to PIR: A49420 A49420 tuberous
           sclerosis protein 2 - human ;.
           Length = 528
 Score = 36.2 bits (18), Expect = 1.0
 Identities = 18/18 (100%), Positives = 18/18 (100%)
```

qb|AA832749|AA832749 vw45h12.rl Soares mouse mammary gland NbMMG Mus musculus cDNA clone

```
1246823 5' similar to TR:Q61008 Q61008 TUBERIN.;
          Length = 561
 Score = 36.2 bits (18), Expect = 1.0
Identities = 18/18 (100%), Positives = 18/18 (100%)
Query: 85 gacccaggcctgtcagaa 102
          Sbjct: 265 gacccaggcctgtcagaa 248
 gb AA837370 AA837370 od41c01.sl NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1370496
          similar to gb:D13748 EUKARYOTIC INITIATION FACTOR 4A-I
           (HUMAN);
          Length = 501
 Score = 36.2 bits (18), Expect = 1.0
 Identities = 18/18 (100%), Positives = 18/18 (100%)
Query: 40 ggggcggaggggaaggga 57
           Sbjct: 468 ggggcggaggggaaggga 451
 ab|AA555936|AA555936 vi64e02.rl Beddington mouse embryonic region Mus musculus cDNA
           clone 908570 5' similar to TR:G1236402 G1236402 TUBERIN.
          Length = 390
 Score = 36.2 bits (18), Expect = 1.0
 Identities = 18/18 (100%), Positives = 18/18 (100%)
Query: 85 gacccaggcctgtcagaa 102
           Sbjct: 154 gacccaggcctgtcagaa 137
 cb|AA866929|AA866929 vn42b08.rl Stratagene mouse skin (#937313) Mus musculus cDNA clone
           1023831 5' similar to TR:Q61008 Q61008 TUBERIN.;
           Length = 855
 Score = 36.2 bits (18), Expect = 1.0
 Identities = 18/18 (100%), Positives = 18/18 (100%)
Query: 85 gacccaggcctgtcagaa 102
           14113141111111
Sbjct: 591 gacccaggcctgtcagaa 608
 ab | W82751 | W82751 mf06h09.rl Scares mouse p3NMF19.5 Mus musculus cDNA clone 404321 5'
           similar to PIR:A49420 A49420 tuberous sclerosis protein
           2 - human ;
           Length = 507
 Score = 36.2 bits (18), Expect = 1.0
 Identities = 18/18 (100%), Positives = 18/18 (100%)
Query: 85 gacccaggcctgtcagaa 102
           11111111111111111
Sbjct: 321 gacccaggcctgtcagaa 304
 gb|H33571|H33571 EST109706 Rat PC-12 cells, NGF-treated (9 days) Rattus sp. cDNA
           clone RPNAU10 5' end
           Length = 298
  Score = 36.2 bits (18), Expect = 1.0
  Identities = 18/18 (100%), Positives = 18/18 (100%)
```